

ABSTRACT OF THE INVENTION

A method for enhancing activity to regenerate electron acceptors for oxidoreductases in microorganisms capable of producing the oxidoreductases is provided. A method for producing useful substances such as optically active alcohols using the microorganisms is also provided. Microorganisms having high activity to regenerate the oxidized form of an electron acceptor can be obtained by culturing microorganisms capable of producing oxidoreductases in a culture medium with low concentration of dissolved oxygen.

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